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PART 2

Your attention is invited

**NEWS
OF THE
HIGHWAY
DIVISION
OF
ASCE**



**JOURNAL OF THE HIGHWAY DIVISION
PROCEEDINGS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS**



Journal of the
HYDRAULICS DIVISION
Proceedings of the American Society of Civil Engineers

NEWS

September, 1961

EXECUTIVE COMMITTEE MEETING OF MAY 1, 1961

Committee on Cooperation with Local Sections

The committee was abolished, to be reconstituted at a later date.

Committee on Publications

The structure and operations of the committee will remain unchanged.

Committee on Research

The scope and purpose of the committee were amended to read:

"To initiate, sponsor and coordinate research in the field of highway engineering; to review reasearch developments year by year and to select significant items which are estimated to have influence on future planning, design and development of any phase of highways and highway transportation. To prepare annually for publication by the ASCE a report summarizing such appraisal."

Committee on Session Programs

The committee will remain as it is.

Committee on Developments in Highway Engineering and Construction

It was brought out that there is duplication and overlapping between this committee and the Committee on Maintenance and Operation of Highways. These two committees were abolished.

A new Committee on Construction, Maintenance and Operation of Highways was established. The scope and purpose of this committee will be announced. Mr. J. E. Wiley will be Chairman; Mr. L. Gary Bird, Secretary.

Committee on Geometrics of Highway DesignCommittee on Highway Drainage Structures

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Committee on Highway Planning and FinanceCommittee on Increasing Highway Engineering ProductivityCommittee on Pipeline CrossingsCommittee on Traffic Engineering

No change was made in the foregoing committees.

Committee on Urban Transportation

This committee was expanded to represent the mass transit industry. Mr. Nathan Brodtkin, New York City Transit Authority, and Mr. Leo J. Nowicki, Detroit Street and Railway System, will be appointed.

Ad Hoc Committee on Planning

This committee was established jointly with the City Planning Division to handle arrangements for the proposed conference on Urban Transportation. Three members from each Division will make up the committee.

Ad Hoc Committee on Highway Transportation Policy

This committee will remain as it is.

Highway Department Representation in the Society

The Executive Committee was concerned by the fact that engineers in the highway departments were not properly represented in the Society, and will seek to take proper action to secure more such members.

PIPELINE DIVISION SEEKS HIGHWAY ENGINEERS

At the present time, the bulk of the membership of the Committee on Pipeline Planning is made up of gas and oil industry civil engineers. The control group of the Committee feels that it would be extremely worthwhile if the committee could be enlarged to include, among others, Highway Engineers who have an interest in the design of pipeline facilities. Major activities of the Committee on Pipeline Planning includes such things as investigation of the problems involved in the regulation of pipeline design and construction, welding of pressure vessel, investigation of economic aspects of mitigating pipeline corrosion and compilation of a bibliography of pipeline design.

The committee would most certainly welcome active participation in its activities by Highway Engineers. The committee would also welcome suggestions relative to other areas of study and interest that could provide useful information to the pipeline industry. A joint effort between pipeline engineers in the water, oil and gas fields with the objective of correlating some of the many differences in pipeline design concepts could only be achieved by participation of engineers from these areas.

Interested highway engineers are urged to contact Mr. Francis Stastny, Chairman of the Committee on Pipeline Planning, 3923 Milton Street, Shreveport, Louisiana.

"TOWARDS MORE UNIFORM TRAFFIC CONTROLS" . . .

. . . is the title of an interesting pamphlet, ASF Report No. 10, published by the Automotive Safety Foundation. It recounts the history, success, and recent forward steps in the attempt to attain nationwide uniformity in traffic control devices. Publication of the new Manual on Uniform Traffic Control Devices for Streets and Highways, and the announcement of the Bureau of Public Roads that it will approve only manual-conforming devices, are the most promising developments of recent times.

1961 ANNUAL CONVENTION IN NEW YORK

A star array of papers and speakers has been promised by the New York Convention Committee for the annual ASCE meeting to be held in New York's Statler-Hilton Hotel, October 16-20. The theme of the convention will be "Metropolis-1980," and many of the papers being sponsored by nearly all of the technical divisions are related to this timely overall theme.

The luncheon speakers also will cover facets of the same theme. They are: Monday, Robert C. Weaver, Administrator of the Housing and Home Finance Agency, who will speak on "Urban Affairs;" Tuesday, Samuel S. Baxter, Water Commissioner and Chief Engineer of the Philadelphia Water Department, whose subject is "Utilities of the Future;" Wednesday, Austin J. Tobin, Executive Director, The Port of New York Authority, speaking on "Mass Transportation of People;" and Thursday, Rex Whitton, Federal Highway Administrator, who will discuss "Urban Highways of the Future."

TECHNICAL SESSIONS. The following is the latest (August 10) information on scheduled technical sessions in which the Highway Division is directly involved.

- Tuesday, October 17, 2:30 p.m. Sponsored jointly with the City Planning and Air Transport Divisions
- 2:30 p.m. Ground Transportation Time as a Factor in Air Travel
REGINALD J. SUTHERLAND, Director, Facilities Eng., American Airlines, Inc., New York
- 3:00 p.m. Airport Access and the Highway System
WILLIAM J. MORTIMER, Superintendent of Highways, Cook County, Chicago, Ill.
- 3:30 p.m. Airport Location in Relation to Urban Transportation
RICHARD H. JORDAN, Research Engineer, Dept. of Transportation Eng., Univ. of California, Richmond

- Wednesday, October 18, 2:30 p.m. Correlation of Vehicle Design and Highways for the Future
KENNETH A. STONEX, Asst. Director,
General Motors Proving Grounds, Milford,
Mich.
- 3:00 p.m. Interchanges and Ramps—New Concepts for Urban Freeways: A Symposium
ROY W. MORSE, City Engineer, Seattle, Wash.
ROGER F. NUSBAUM, Deputy Chief Engr.,
Div. of Highways, State of Illinois, Chicago
DON W. LOUTZENHEISER, Chief, Highway Design Div., U. S. Bureau of Public Roads, Wash., D. C.
- Thursday, October 19, 9:00 a.m. Presiding: Walter H. Tacke, Member, Exec. Committee
- 9:00 a.m. Highway Cost and Financial Planning for the Future
ROY E. JORGENSEN, Roy E. Jorgensen & Assocs., Highway Management Consultants, Washington, D. C.
- 9:30 a.m. Urban Transportation Requirements for Movement of People—Envisaged for World's Fair
WILLIAM E. POTTER, Exec. Vice President, World's Fair Corp., Flushing, N. Y.
- 10:00 a.m. What's Ahead After 1975?
WILLIAM A. BUGGE, Director of Highways Washington State Highway Commission, Olympia, Wash.
- 10:30 a.m. Automatic Highways—Future Possibilities
ALBERT A. ATWELL, Transportation Policy Group, Washington, D. C.
- Thursday, October 19, 2:30 p.m. Sponsored jointly with the City Planning Division
- 2:30 p.m. Transportation Systems and Urban Growth Patterns
ALAN VOORHEES, Traffic Planning Engr., Automotive Safety Foundation, Washington, D. C.
- 3:00 p.m. Urban Transport Needs in the Future
WILBUR S. SMITH, Wilbur Smith & Assocs., New Haven, Conn.

3:30 p.m. The Journey-to-Work

ALEX HART, Executive Director, New
York-New Jersey Transportation Agency

4:00 p.m. Central Business District Parking

LAURENCE A. DONDANVILLE, Staff
Engr., DeLeuw, Cather & Co., Chicago, Ill.

RESEARCH SESSION AT NEW YORK ANNUAL MEETING

The Engineering Mechanics Division is devoting one of its sessions at the Annual Meeting in New York City to the general subject of research in civil engineering.

Subjects to be covered are:

"Relationship of Research and Civil Engineering to National Goals."

"The Impact of Research on Engineering."

"The Role of A.S.C.E. in Supporting Research."

"Plans of the Research Committee, A.S.C.E."

DRIVING SIMULATION PAMPHLET

"New Horizons for Highway Safety Through Driving Simulation" is a pamphlet based on discussions and findings of the National Conference on Driving Simulation, held in Santa Monica, California, Feb. 27-March 1, 1961. The chapter headings describe its interesting contents:

"What is Driving Simulation?"

"What Can it do for Highway Safety?"

"Advantages"

"Limitations"

"What Needs to be Done?"

Copies of the report are available from:

Automotive Safety Foundation

U. S. Bureau of Public Roads

U. S. Public Health Service

TO ASCE MEMBERS OF CHI EPSILON

Chi Epsilon Fraternity, national civil engineering honor society, has officially offered to supply the funds necessary to furnish a formal Conference Room at the United Engineering Center. This room will be on the ASCE executive floor, will be named "The Chi Epsilon Room," and will be available for conference and committee meetings.

Pledges are not expected, but single voluntary gifts, from members and friends of the Fraternity are earnestly solicited. An attractive Commemoration Book has been planned in which donors of \$100 or more (singly or in groups) may inscribe the name of a revered person.

On request, the national chairman, Samuel Kramer (8701 Shore Road, Brooklyn 9, New York) will be glad to mail a descriptive brochure. Your gift

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is tax deductible if you make your check out to "ASCE CHI EPSILON ROOM FUND" and mail it to Mr. Donald D. King, ASCE, 33 West 39th Street, New York 18, N. Y. Your gift will be automatically credited to the quota of your initiating Chapter. The national goal is \$10,000.

MEETING CALENDAR

ASCE MEETINGS—1961

October 16-20	Annual Convention, New York Hotel Statler 1962
February 19-23	Houston Convention Hotel Shamrock, Houston, Texas
May 14-18	Omaha Convention Sheraton-Frontenelle Omaha, Nebraska

NON-ASCE MEETINGS—1961

August 21-26	World Traffic Engineering Conference 31st Annual Meeting—Institute of Traffic Engineers & 6th International Study Week in Traffic Engineering Sheraton-Park Hotel Washington, D. C.
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NEWSLETTER CONTRIBUTIONS SOLICITED

Send to the Newsletter Editor:

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Room 1202
The Port of New York Authority
111 Eighth Avenue
New York 11, New York

NEW ASCE TRANSACTIONS SOON TO GO TO PRESS

In mid-May all society members received a brochure describing the re-vamping that the TRANSACTIONS are undergoing. Since that time thousands of orders have been received, but still more should have reached us.

Beginning with Volume 126 (1961), TRANSACTIONS will be issued as a standard set of five parts, containing all Division Journal papers, according to the following schedule:

- Part I Engineering Mechanics, Hydraulics, Soil Mechanics and Foundations
- Part II Construction, Structural
- Part III Irrigation and Drainage, Power, Sanitary Engineering

Part IV Air Transport, City Planning, Highway, Pipeline, Surveying and Mapping, Waterways and Harbors

Part V Professional Practice

Members of ASCE can enter standing orders to any one, or more, of Parts I through IV at \$3.50 each per year; the price for Part V will be \$2.00 per year. Members can effect a considerable saving by subscribing to all five parts—the total price of \$16.00 is reduced to \$10.00.

Part V is reserved for the papers published in the Journal of Professional Practice, which is of interest to all members, regardless of their technical specialties. Part V will also contain the President's Annual Address, abstracts of the memoirs of deceased members, Final Reports of Committees in the Department of Conditions of Practice, and combined subject and author indexes for Parts I through V.

The TRANSACTIONS will be mailed in December of each year and the bills will be sent out at that time.

Use the coupon below to place your order. Please do not send in a coupon if you previously mailed the original order card.

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Please enter my standing order for the New ASCE TRANSACTIONS (beginning with Vol. 126, 1961) as follows (Do not prepay):

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Part V	_____ @ \$ 2.00	_____ \$ 4.00
Parts I thru V	_____ @ \$10.00	_____ \$20.00

Signature: _____

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Zone

State

ASCE MANUAL NO. 42—DESIGN OF STRUCTURES TO RESIST NUCLEAR WEAPONS EFFECTS

As a project of the Committee on Structural Dynamics of the Engineering Mechanics Division, through its Manual Subcommittee this Manual (No. 42) has been in preparation for several years. It was written for use of the engineering profession in the design of structures which are intended to be resistant in some degree to all of the effects associated with the detonation of a

nuclear weapon. Copies of this paper-bound Manual can be obtained by completing the accompanying coupon. The list price is \$4.00 and ASCE members are entitled to a 50% discount.

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Please send me _____ copies of Manual 42. Enclosed is my remittance of \$ _____. My ASCE membership grade is _____.

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M42

SYMPOSIUM ON PENSTOCKS

The fourth in the Proceedings Symposium Series has been issued. The discussions and closures for these papers, reprinted from the Journal of the Power Division, have been collated and the entire grouping is now presented under one cover.

The general aspects, as well as specific phases of penstock construction, are related. Designers and constructors have related their experiences in this vital field in dealing with the common problems and recent developments involved. Many of the foremost penstock builders have related details of their own penstock practices.

The list price for this paper bound book is \$4.00; ASCE members as well as public and school libraries receive a 50% discount. The coupon below should be used to order this book.

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Highway Division

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